1616

ENTERED

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/779,237A

DATE: 06/29/2001
TIME: 12:13:21

Input Set : A:\Sugarcane.txt
Output Set: N:\CRF3\06292001\I779237A.raw

```
 3 <110> APPLICANT: South African Sugar Association
 5 <120> TITLE OF INVENTION: The Regulation and manipulation of Sucrose Content in
Sugarcane
 7 <130> FILE REFERENCE: PA128784
 9 <140> CURRENT APPLICATION NUMBER: US 09/779,237A
10 <141> CURRENT FILING DATE: 2001-02-08
12 <160> NUMBER OF SEQ ID NOS: 2
14 <170> SOFTWARE: PatentIn version 3.0
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 1176
18 <212> TYPE: DNA
19 <213> ORGANISM: Saccarum officinarum
21 <400> SEQUENCE: 1
22 gaattccgat ttagcctcat actgcttctc acattacatt gggatgcgct ttgcaaacac     60
24 accccaatgc tgcactcatt ggggaagagg ttgctgcgaa gaagcaaacc cttaagaacg    120
26 tcacaaacta cattactgat atcatctgca agcgtgcaga tcttggttac aactatgggg    180
28 ttatccttat accagaaggc ctgattgatt tcatcccaga ggttcaaaaa ctcatcgcag    240
30 aattgaatga aatttttggca catgatgtgg ttgatgaggc aggggcctgg aaaagcaagc    300
32 ttcagcctga atcaaaggag ctgtttgagt ttttgcccaa aactattcag gagcaactta    360
34 tgcttgaaag gggccccat ggcaatgttc aggttgcaaa aattgaaacc gagaaaatgc    420
36 ttattagcat ggtggaaact gaactggaga agagaaaagc agaggggaga tactctgcac    480
38 atttcagagg gcaagctcat ttctttgggt acgaaggaag atgtggcctt cctaccaatt    540
40 ttgattctaa ctattgctat gcattaggct atggtgctgg tgcccttctc caaagtggga    600
42 agacaggact tatttcatcg gttggcaacc ttgcggctcc agtagaagaa tggactgttg    660
44 gtggaacagc attgacatca ctgatggatg ttgagaggag gcatggcaag ttcaagccag    720
46 tgatcaagaa ggctatggtg gaacttgatg ctgcaccttt caagaaatat gcatcaatgc    780
48 gggatgagtg ggccaccaag aacagataca tcagccctgg ccccatccag ttcagtggcc    840
50 ctggaagtga tgactcgaac cacactttga tgctggaact cggtgctgag ttatagagat    900
52 gcgtcctttg cttatttttg tttcttacag ttttgggagt ggagactgga cactgggtct    960
54 cctggagcag cctgcagtct ccatattgtg aattgtttaa taagaggttc gatgtgagtt   1020
56 ttctgcgtag cggactggat gtagcaaata agaactggtt ttagcatttt ttgtatgatt   1030
58 tacgcaccaa ctgacttgtc ttgtaaccct gattctgttc cactggttgc aatctcgtga   1140
60 caatgaacaa gttgatatga ggctaaatcg gaattc                              1176
63 <210> SEQ ID NO: 2
64 <211> LENGTH: 1668
65 <212> TYPE: DNA
66 <213> ORGANISM: Saccharum officinarum
68 <400> SEQUENCE: 2
69 atggcggcgc cgagcggacc atcacctggg actgggaggt tggcgtcggt ttacagcgag     60
71 gtgcagacga gccgcctcca tcacgcgatc cggctcccct ccgtcctctg ctcccaattc    120
73 tccctcgtcg atggacctcc cagctcagcc acggggaacc cggatgagat cgcgaagctg    180
75 ttccctaact tgtttgggca gccgtcggcg acattggtgc cggccaaaga ggcggtggag    240
77 gggaaggcgc tgaaggtcgg ggtggtgctc tctggtggac aagcacccgg tgggcacaat    300
79 gtgatctgcg gtatcttcga tttcttgcag aaacacgcaa agggaagcac aatgtatgga    360
81 ttcaaaggag gcccagcagg ggtgtggtttt gatatgatct gtagtggaag ggataagatt    420
83 gtctatccct acagaaacca gggtggtttt gatacagcca acaaacttga gttggacgga    480
85 gaaacaccag agcagtttaa gcaagccgaa gatcatgctt gcctctttgc tgaatacttc    540
87 cttgttgtta ttggacggga cgattcaaat actcatgctt gcctctttgc tgaatacttc    600
```

RAW SEQUENCE LISTING   DATE: 06/29/2001
PATENT APPLICATION: **US/09/779,237A**   TIME: 12:13:21

Input Set : **A:\Sugarcane.txt**
Output Set: **N:\CRF3\06292001\I779237A.raw**

```
 89 aggagtaaaa atttgaaaac ccgtgtcatt ggctgcccaa agaccattga tggtgatctc    660
 91 aaatgcaaag aggttccaac cagttttgga tttgacactg catgcaagat ctattcagaa    720
 93 atgattggaa atgtcatgat tgatgcccga tcaactggaa aatattatca ctttgtacgg    780
 95 cttatggggc gtgctgcttc tcacattaca ttgggatgcg ctttgcaaac acaccccaat    840
 97 gctgcactca ttggggaaga ggttgctgca aagaagcaaa cccttaagaa cgtcacaaac    900
 99 tacattactg atatcatctg cgagcgtgca gatcttggtt acaactatgg tgttatcctt    960
101 ataccagaag gcctgattga tttcatccca gaggtgcaga atatcattgc tgaattgaat   1020
103 gaaattttgg cacatgatgt tgttgatgag gcaggggcct ggaaaagcaa gcttcagcct   1080
105 gaatcaaagg agctgtttga gttttttgccc aaaactattc aggagcaact tatgcttgaa   1140
107 aggggccccc atggcaatgt tcaggttgca aaaattgaaa ccgagaaaat gcttattagc   1200
109 atggtggaaa ctgaactgga gaagagaaaa gcagagggga gatactctgc acatttcaga   1260
111 gggcaagctc atttctttgg gtacgaagga agatgtggcc ttcctaccaa ttttgattct   1320
113 aactattgct atgcattagg ctatggggct ggtgcccttc tccaaagtgg gaagacagga   1380
115 cttatttcat cggttggcaa ccttgcggct ccagtagaag aatggactgt tggtggaaca   1440
117 gcattgacat cactgatgga tgtggagagg aggcatggca agttcaagcc agtgatcgag   1500
119 aaggctatgg tggaacttga tgctgcacct ttcaagaaat atgcatcaat gcgggatgag   1560
121 tgggccacca agaacagata catcagccct ggccccatcc agttcagtgg ccctggaagt   1620
123 gatgactcga accacacttt gatgctggaa ctcggtgctg agttatag            1668
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/779,237A

DATE: 06/29/2001
TIME: 12:13:22

Input Set : **A:\Sugarcane.txt**
Output Set: **N:\CRF3\06292001\I779237A.raw**